



June 2008

**DEPARTMENT OF EDUCATION**  
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2008  
Code: 11341354  
SAU: Portland Public Schools  
School: Lincoln Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores .....	2
Summary of Student Participation .....	3
English Language Arts – Reading Results .....	4-6
Mathematics Results .....	7-9
Science and Technology Results .....	10-12

# SUMMARY OF SCORES

Test Date: March 2008

Grade: 8

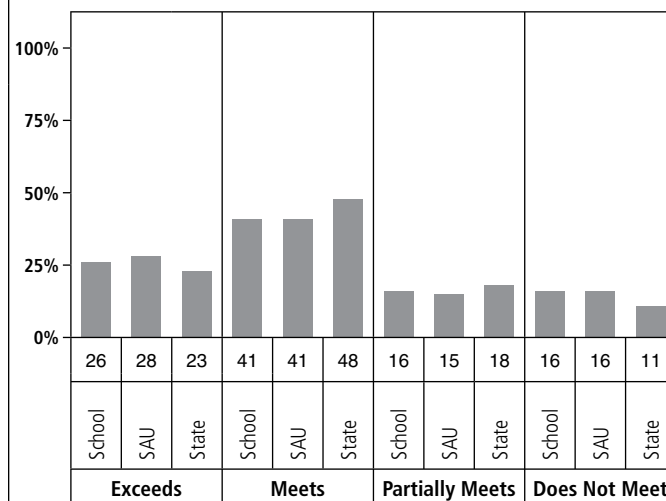
SAU: Portland Public Schools

School: Lincoln Middle School

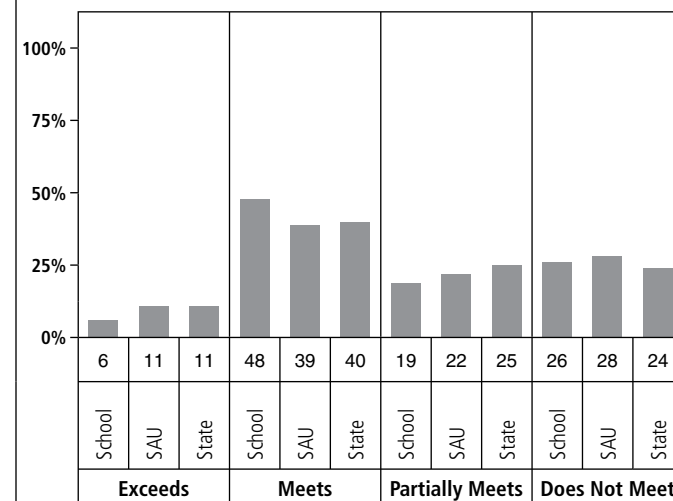
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2005–2006	844	845	845
2006–2007	845	845	847
<b>2007–2008</b>	<b>849</b>	<b>850</b>	<b>849</b>
Cum. Avg. *	846	847	847
<b>Mathematics</b>			
2005–2006	839	840	840
2006–2007	837	839	842
<b>2007–2008</b>	<b>838</b>	<b>840</b>	<b>841</b>
Cum. Avg. *	838	840	841
<b>Science &amp; Technology</b>			
2005–2006	844	845	846
2006–2007	844	845	847
<b>2007–2008</b>	<b>844</b>	<b>845</b>	<b>847</b>
Cum. Avg. *	844	845	847

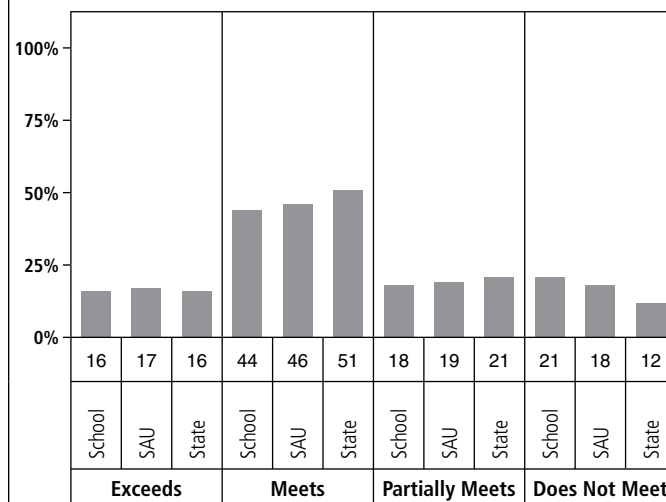
## ELA – READING



## MATHEMATICS



## SCIENCE AND TECHNOLOGY



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008  
 Grade: 8  
 SAU: Portland Public Schools  
 School: Lincoln Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	145	100	490	100	15274	100	141	99	481	99	15102	99	142	99	481	99	15097	99	142	99	481	99	15080	99						
Ethnicity African American/Black	23	16	89	18	368	2	21	95	85	97	356	97	22	100	87	99	360	98	22	100	87	99	356	97						
American Indian or Native Alaskan	0	0	2	0	120	1	0	0	2	100	117	98	0	0	2	100	117	98	0	0	2	100	117	98						
Asian or Pacific Islander	22	15	43	9	186	1	22	100	43	100	181	97	22	100	43	100	182	98	22	100	43	100	182	98						
Hispanic	2	1	16	3	139	1	2	100	15	94	136	98	2	100	15	94	136	98	2	100	15	94	136	98						
Caucasian/White	98	68	340	69	14461	95	96	99	336	99	14312	99	96	99	334	99	14302	99	96	99	334	99	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	18	12	85	17	2508	16	18	100	83	98	2446	98	18	100	82	96	2441	98	18	100	81	95	2431	98						
Current LEP	43	30	120	24	327	2	41	98	116	97	316	97	42	100	118	99	322	99	42	100	118	99	322	99						
Economically disadvantaged	65	45	221	45	5420	35	61	97	213	97	5329	99	62	98	215	98	5324	99	62	98	215	98	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science and Technology												
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
Participation without accommodations	113	78	339	69	12703	83	113	78	338	69	12694	83	113	78	340	69	12710	83							
Identified disability (PET/IEP)	6	5	13	4	437	3	6	5	13	4	421	3	6	5	14	4	445	4							
LEP	25	22	57	17	172	1	25	22	57	17	172	1	25	22	57	17	173	1							
504 plan	1	1	7	2	229	2	1	1	6	2	231	2	1	1	7	2	230	2							
Participation with accommodations	27	19	125	26	2221	15	28	19	126	26	2227	15	28	19	125	26	2197	14							
Identified disability (PET/IEP)	11	41	53	42	1832	82	11	39	52	41	1844	83	11	39	51	41	1813	83							
LEP	16	59	55	44	136	6	17	61	57	45	143	6	17	61	57	46	142	6							
504 plan	0	0	2	2	68	3	0	0	2	2	66	3	0	0	2	2	66	3							
Other	1	4	19	15	213	10	1	4	19	15	202	9	1	4	19	15	204	9							
Participation through alternate assessment (PAAP)	1	1	17	3	177	1	1	1	17	3	176	1	1	1	16	3	173	1							
Identified disability (PET/IEP)	1	100	17	100	177	100	1	100	17	100	176	100	1	100	16	100	173	100							
LEP	0	0	4	24	7	4	0	0	4	24	7	4	0	0	4	25	7	4							
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																			
Approved non-participation – special consideration	2	1	2	0	32	0	2	1	3	1	34	0	2	1	2	0	34	0							
Non-participation – other	2	1	7	1	140	1	1	1	6	1	143	1	1	1	7	1	160	1							

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2008  
Grade: 8  
SAU: Portland Public Schools  
School: Lincoln Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	42	21	124	22	2695	17
	2006-2007	22	14	75	15	2407	16
	<b>2007-2008</b>	<b>37</b>	<b>26</b>	<b>132</b>	<b>28</b>	<b>3428</b>	<b>23</b>
	Cum. Total*	101	20	331	22	8530	18
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	71	36	204	37	6830	42
	2006-2007	75	47	234	46	7494	49
	<b>2007-2008</b>	<b>58</b>	<b>41</b>	<b>189</b>	<b>41</b>	<b>7179</b>	<b>48</b>
	Cum. Total*	204	41	627	41	21503	46
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	41	21	102	18	3741	23
	2006-2007	34	21	112	22	3628	24
	<b>2007-2008</b>	<b>22</b>	<b>16</b>	<b>69</b>	<b>15</b>	<b>2706</b>	<b>18</b>
	Cum. Total*	97	20	283	19	10075	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	42	21	124	22	3003	18
	2006-2007	28	18	87	17	1810	12
	<b>2007-2008</b>	<b>23</b>	<b>16</b>	<b>74</b>	<b>16</b>	<b>1611</b>	<b>11</b>
	Cum. Total*	93	19	285	19	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Total Reading Cluster</b>	<b>56</b>	<b>100</b>	36.3	64.8	36.8	65.7	36.9	65.9
<b>Literary Text</b>	<b>28</b>	<b>50</b>	18.1	64.6	18.3	65.4	18.3	65.4
<b>Informational Text</b>	<b>28</b>	<b>50</b>	18.3	65.4	18.5	66.1	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: Portland Public Schools  
 School: Lincoln Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	140	37	26	58	41	22	16	23	16	849	464	28	41	15	16	850	14924	23	48	18	11	849
<b>Ethnicity</b>																						
African American/Black	20	0	0	3	15	5	25	12	60	825	78	3	32	28	37	835	348	11	38	22	29	840
American Indian or Native Alaskan	0										2						117	9	43	29	19	842
Asian or Pacific Islander	22	4	18	8	36	4	18	6	27	845	43	21	40	16	23	847	179	32	39	18	11	852
Hispanic	2										15	20	33	40	7	848	131	18	38	27	17	846
Caucasian/White	96	33	34	46	48	12	13	5	5	855	326	36	44	10	10	854	14149	23	49	18	10	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	17	0	0	4	24	8	47	5	29	835	66	2	30	23	45	833	2269	3	24	32	42	833
No	123	37	30	54	44	14	11	18	15	851	398	33	42	14	11	853	12655	27	52	16	5	852
<b>Current LEP</b>																						
Yes	41	4	10	10	24	10	24	17	41	835	112	8	33	28	31	839	308	8	30	27	34	837
No	99	33	33	48	48	12	12	6	6	855	352	35	43	11	11	853	14616	23	48	18	10	850
<b>Economically disadvantaged</b>																						
Yes	60	5	8	18	30	16	27	21	35	837	201	9	37	24	30	839	5222	12	44	25	19	843
No	80	32	40	40	50	6	8	2	3	858	263	43	44	8	5	858	9702	29	50	14	7	853
<b>Migrant</b>																						
Yes	0										0						7	0	86	0	14	850
No	140	37	26	58	41	22	16	23	16	849	464	28	41	15	16	850	14917	23	48	18	11	849
<b>Gender</b>																						
Female	74	18	24	35	47	9	12	12	16	850	238	34	42	10	14	852	7198	30	48	15	7	853
Male	66	19	29	23	35	13	20	11	17	848	226	23	39	20	18	847	7726	17	49	21	14	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	1										144	31	42	14	13	852	807	9	41	32	18	842
No	139	37	27	57	41	22	16	23	17	849	320	27	40	15	18	849	14117	24	49	17	10	850
<b>Gifted/talented program</b>																						
Yes	4										20	90	10	0	0	874	592	71	28	1	0	867
No	136	33	24	58	43	22	16	23	17	848	444	26	42	16	17	849	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA–READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 8

SAU: Portland Public Schools

School: Lincoln Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E		M		P		D		Mean Scaled Score		
		%	N	%	N	%	N	%	N			%	%	%	%	%	%	%	%		%	
How much homework do you do on school nights?																						
A. none	4	1	17	2	33	2	33	1	17	843	7	19	26	13	42	839	9	10	39	24	26	841
B. less than one hour	48	13	20	32	48	12	18	9	14	848	48	27	44	16	13	851	46	20	50	20	11	849
C. one to two hours	41	21	37	22	39	6	11	8	14	853	41	34	40	13	12	852	41	28	49	15	7	852
D. more than two hours	7	2	22	2	22	1	11	4	44	838	4	16	32	16	37	841	5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	42	19	33	26	45	8	14	5	9	854	30	38	40	12	9	854	33	31	48	14	7	853
B. They match some of what I have learned.	47	17	26	27	42	10	15	11	17	849	53	25	46	16	13	850	53	21	51	19	9	849
C. They match just a little of what I have learned.	10	1	7	5	36	3	21	5	36	836	14	28	26	15	31	844	11	14	41	25	20	844
D. There is no match.	1	0	0	0	0	0	0	1	100	804	3	0	33	8	58	830	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	30	20	48	14	33	2	5	6	14	857	34	47	35	7	10	857	31	42	44	8	6	857
B. good	54	14	19	38	51	13	18	9	12	848	50	23	47	17	13	849	49	19	54	19	9	849
C. fair	15	2	10	6	29	6	29	7	33	838	14	8	37	22	34	838	18	5	42	31	22	840
D. poor	1	1	100	0	0	0	0	0	0	872	2	11	22	33	33	838	2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	17	4	17	6	26	5	22	8	35	840	17	14	36	25	25	842	15	16	44	22	18	845
B. about the same as my regular schoolwork	71	29	30	43	44	14	14	11	11	852	67	30	43	14	13	852	65	23	49	18	9	850
C. easier than my regular schoolwork	12	4	25	7	44	2	13	3	19	846	16	40	35	10	15	852	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	10	0	0	2	15	2	15	9	69	826	8	5	16	24	55	831	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	55	14	19	36	48	17	23	8	11	848	53	16	51	20	13	848	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	35	23	48	19	40	2	4	4	8	858	39	51	34	6	9	858	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	53	19	27	28	39	13	18	11	15	849	44	24	41	17	18	848	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	43	16	28	27	47	7	12	8	14	851	50	35	43	13	10	854	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	4	1	20	2	40	1	20	1	20	845	6	19	33	19	30	841	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	22	10	33	13	43	2	7	5	17	852	21	35	36	12	17	851	18	31	47	13	9	852
B. 20 minutes to an hour	32	14	32	12	27	9	20	9	20	848	43	36	39	14	11	853	41	28	49	15	7	852
C. less than 20 minutes	14	5	26	10	53	3	16	1	5	853	13	17	43	20	20	845	13	20	49	18	12	848
D. I rarely read at home.	33	8	18	23	51	7	16	7	16	847	22	17	49	16	19	847	28	12	47	26	16	844
How do you feel about the following statement? “My knowledge of reading will be useful to me as an adult.”																						
A. strongly agree	46	18	28	30	47	10	16	6	9	852	48	33	42	14	11	853	43	31	48	14	7	853
B. agree	46	15	24	25	40	10	16	13	21	847	44	27	42	15	17	849	48	18	50	20	12	848
C. disagree	6	3	38	3	38	1	13	1	13	849	6	21	31	21	28	841	6	11	43	24	21	843
D. strongly disagree	2	1	33	0	0	0	0	2	67	838	2	11	22	11	56	837	2	6	36	32	26	839
Optional school/SAU question																						
A.	0										26	22	22	0	56	842						
B.	80	1	25	1	25	0	0	2	50	840	44	13	20	20	47	832						
C.	0										15	0	20	60	20	834						
D.	20	0	0	0	0	0	0	1	100	808	15	0	0	0	100	819						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

# MATHEMATICS RESULTS

Test Date: March 2008  
Grade: 8  
SAU: Portland Public Schools  
School: Lincoln Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	32	16	87	16	1714	11
	2006-2007	21	13	57	11	1952	13
	<b>2007-2008</b>	<b>9</b>	<b>6</b>	<b>53</b>	<b>11</b>	<b>1657</b>	<b>11</b>
	Cum. Total*	62	12	197	13	5323	11
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	56	29	164	30	5533	34
	2006-2007	45	28	172	34	5870	38
	<b>2007-2008</b>	<b>68</b>	<b>48</b>	<b>179</b>	<b>39</b>	<b>5956</b>	<b>40</b>
	Cum. Total*	169	34	515	34	17359	37
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	49	25	143	26	4764	29
	2006-2007	39	24	143	28	3982	26
	<b>2007-2008</b>	<b>27</b>	<b>19</b>	<b>103</b>	<b>22</b>	<b>3729</b>	<b>25</b>
	Cum. Total*	115	23	389	25	12475	27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	59	30	158	29	4251	26
	2006-2007	56	35	140	27	3534	23
	<b>2007-2008</b>	<b>37</b>	<b>26</b>	<b>129</b>	<b>28</b>	<b>3579</b>	<b>24</b>
	Cum. Total*	152	31	427	28	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.4	52.5	8.2	51.3	8.4	52.5
Cluster 2: Shape and Size	14	25	5.2	37.1	5.6	40.0	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.8	60.0	4.7	58.8	4.6	57.5
Cluster 4: Patterns	18	32	8.2	45.6	8.7	48.3	8.9	49.4

- Cluster 1: Numbers and Operations**  
A. Numbers and Number Sense  
B. Computation  
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**  
E. Geometry  
F. Measurement
- Cluster 3: Mathematical Decision Making**  
C. Data Analysis and Statistics  
D. Probability
- Cluster 4: Patterns**  
G. Patterns, Relations, and Functions  
H. Algebra Concepts  
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: Portland Public Schools  
 School: Lincoln Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	141	9	6	68	48	27	19	37	26	838	464	11	39	22	28	840	14921	11	40	25	24	841
<b>Ethnicity</b>																						
African American/Black	21	0	0	1	5	4	19	16	76	812	80	0	16	19	65	822	352	2	23	23	52	828
American Indian or Native Alaskan	0										2						117	5	22	33	39	832
Asian or Pacific Islander	22	2	9	10	45	3	14	7	32	839	43	16	40	23	21	844	181	24	42	20	14	848
Hispanic	2										15	7	33	20	40	834	131	7	34	26	33	836
Caucasian/White	96	7	7	56	58	20	21	13	14	844	324	14	44	23	19	844	14140	11	41	25	23	841
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	17	0	0	3	18	5	29	9	53	826	65	2	17	23	58	826	2265	1	14	22	62	824
No	124	9	7	65	52	22	18	28	23	840	399	13	42	22	23	842	12656	13	45	26	17	844
<b>Current LEP</b>																						
Yes	42	2	5	11	26	6	14	23	55	826	114	5	23	21	51	829	315	5	24	20	51	828
No	99	7	7	57	58	21	21	14	14	843	350	13	44	23	20	843	14606	11	40	25	23	841
<b>Economically disadvantaged</b>																						
Yes	61	1	2	18	30	14	23	28	46	827	203	3	24	27	46	830	5217	5	30	29	37	834
No	80	8	10	50	63	13	16	9	11	847	261	18	50	19	13	847	9704	15	45	23	17	845
<b>Migrant</b>																						
Yes	0										0						7	0	43	43	14	838
No	141	9	6	68	48	27	19	37	26	838	464	11	39	22	28	840	14914	11	40	25	24	841
<b>Gender</b>																						
Female	75	3	4	37	49	15	20	20	27	837	240	9	40	23	28	839	7199	11	40	26	23	841
Male	66	6	9	31	47	12	18	17	26	839	224	14	37	21	28	840	7722	11	40	24	25	841
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	1										145	17	37	23	23	843	806	3	20	30	47	831
No	140	9	6	68	49	26	19	37	26	838	319	9	39	22	30	838	14115	12	41	25	23	842
<b>Gifted/talented program</b>																						
Yes	4										20	75	25	0	0	870	592	58	39	2	1	864
No	137	7	5	66	48	27	20	37	27	837	444	9	39	23	29	838	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 8

SAU: Portland Public Schools

School: Lincoln Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N													
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	4 48 41 6	0 5 4 0	0 7 7 0	1 33 31 3	17 49 54 33	3 13 9 2	50 19 16 22	2 16 13 4	33 24 23 44	832 839 840 832	7 48 41 4	13 10 13 5	16 43 39 30	16 20 26 20	55 27 22 45	832 840 842 833	9 46 41 5	5 10 14 14	30 40 42 38	23 26 25 23	41 25 19 24	833 840 843 842
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b> A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	32 50 14 4	5 4 0 0	11 6 0 0	22 38 6 2	50 55 32 40	10 13 3 1	23 19 16 20	7 14 10 2	16 20 53 40	843 841 825 829	32 49 16 4	18 11 3 6	43 43 24 12	20 23 26 18	19 23 47 65	845 842 829 822	30 50 17 4	17 10 6 3	43 42 32 18	22 26 29 25	18 22 33 54	845 841 836 828
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b> A. very good B. good C. fair D. poor	25 54 20 2	4 5 0 0	12 7 0 0	20 37 11 0	59 50 41 0	5 15 6 1	15 20 22 33	5 17 10 2	15 23 37 67	844 840 830 819	26 50 21 4	27 8 2 0	39 46 28 6	15 24 28 19	18 22 43 75	847 841 831 818	26 45 23 5	29 7 1 1	46 46 26 14	14 27 34 29	11 20 38 57	851 841 833 827
<b>How difficult was the mathematics part of this test?</b> A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	36 53 10	3 2 4	6 3 29	24 38 6	48 52 43	11 13 3	22 18 21	12 20 1	24 27 7	839 837 849	39 46 15	5 7 45	37 45 32	27 22 9	32 27 14	836 839 855	34 52 13	4 10 33	35 43 40	28 26 14	32 21 13	836 842 852
<b>How hard did you try on the mathematics part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	48 46 6	5 4 0	8 6 0	30 36 2	45 57 25	14 11 2	21 17 25	17 12 4	26 19 50	838 842 826	46 48 6	8 15 8	38 44 15	24 19 27	30 22 50	838 843 828	44 50 6	10 13 9	40 42 27	26 24 27	25 21 38	840 843 835
<b>How often do you use laptops in mathematics class?</b> A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	15 61 20 5	1 7 1 0	5 8 4 0	14 40 13 1	70 48 48 14	2 16 5 4	10 19 19 57	3 20 8 2	15 24 30 29	845 839 836 831	22 33 25 20	2 9 20 16	39 38 42 38	27 22 16 23	31 30 22 24	835 838 845 842	9 16 28 48	6 8 12 13	38 38 41 40	27 27 27 23	29 27 21 24	837 839 843 842
<b>How often do you use calculators in mathematics class?</b> A. almost every day B. two or three times a week C. two or three times each month D. never or almost never	55 28 12 6	7 1 1 0	9 3 6 0	37 19 8 4	49 50 50 50	16 7 4 0	21 18 25 0	15 11 3 4	20 29 19 50	841 838 839 828	36 41 16 6	10 12 17 4	47 37 33 21	20 24 27 7	23 27 23 68	841 841 842 824	38 33 18 11	14 10 10 7	42 41 36 34	23 26 27 26	21 23 27 33	843 841 840 836
<b>How do you feel about the following statement?</b> <i>"My knowledge of mathematics will be useful to me as an adult."</i> A. strongly agree B. agree C. disagree D. strongly disagree	62 34 4 1	7 2 0 0	8 4 0 0	45 20 2 1	53 43 40 100	16 11 0 0	19 24 0 0	17 13 3 0	20 28 60 0	841 836 825 860	55 36 6 2	11 14 4 9	43 37 31 18	24 19 19 27	22 30 46 45	842 840 829 833	54 38 6 2	14 8 6 3	44 36 31 23	23 27 28 25	18 28 36 49	844 838 835 831
<b>Optional school/SAU question</b> A. B. C. D.	0 80 0 20	 0  0	 0  0	 1  0	 25  0	 1  0	 25  0	 2  1	 50  100	 824  810	 44 15 15	 7 0 0	 7 0 0	 20 60 0	 67 40 100	 822 824 810	    	    	    	    	    	    

# SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008  
Grade: 8  
SAU: Portland Public Schools  
School: Lincoln Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	20	10	71	13	1879	12
	2006-2007	19	12	67	13	2192	14
	<b>2007-2008</b>	<b>23</b>	<b>16</b>	<b>77</b>	<b>17</b>	<b>2371</b>	<b>16</b>
	Cum. Total*	62	12	215	14	6442	14
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	95	48	253	46	8604	53
	2006-2007	74	46	238	46	7916	52
	<b>2007-2008</b>	<b>62</b>	<b>44</b>	<b>215</b>	<b>46</b>	<b>7630</b>	<b>51</b>
	Cum. Total*	231	46	706	46	24150	52
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	37	19	117	21	3618	22
	2006-2007	36	22	108	21	3340	22
	<b>2007-2008</b>	<b>26</b>	<b>18</b>	<b>88</b>	<b>19</b>	<b>3175</b>	<b>21</b>
	Cum. Total*	99	20	313	20	10133	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	44	22	111	20	2174	13
	2006-2007	32	20	99	19	1865	12
	<b>2007-2008</b>	<b>30</b>	<b>21</b>	<b>85</b>	<b>18</b>	<b>1731</b>	<b>12</b>
	Cum. Total*	106	21	295	19	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	7.5	53.6	7.8	55.7	8.1	57.9
Cluster 2: Physical Sciences	14	25	7.2	51.4	7.3	52.1	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	6.8	48.6	7.1	50.7	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.1	57.9	8.2	58.6	8.5	60.7

## Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

## Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

## Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

## Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.



# SCIENCE AND TECHNOLOGY RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: Portland Public Schools  
 School: Lincoln Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	141	23	16	62	44	26	18	30	21	844	465	17	46	19	18	845	14907	16	51	21	12	847
<b>Ethnicity</b>																						
African American/Black	21	0	0	3	14	5	24	13	62	823	80	0	23	31	46	831	349	4	35	26	34	837
American Indian or Native Alaskan	0										2						117	8	40	28	24	840
Asian or Pacific Islander	22	5	23	6	27	3	14	8	36	841	43	16	42	12	30	842	181	20	50	15	15	849
Hispanic	2										15	7	20	47	27	839	131	5	50	22	23	842
Caucasian/White	96	18	19	53	55	17	18	8	8	850	325	21	54	15	9	850	14129	16	52	21	11	848
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	17	1	6	3	18	5	29	8	47	832	65	6	23	29	42	833	2258	3	29	31	37	836
No	124	22	18	59	48	21	17	22	18	846	400	18	50	17	15	847	12649	18	55	20	7	850
<b>Current LEP</b>																						
Yes	42	5	12	7	17	9	21	21	50	832	114	6	24	27	43	834	315	4	29	25	42	834
No	99	18	18	55	56	17	17	9	9	849	351	20	54	16	10	849	14592	16	52	21	11	848
<b>Economically disadvantaged</b>																						
Yes	61	3	5	18	30	15	25	25	41	833	203	3	35	26	35	836	5206	8	45	28	20	842
No	80	20	25	44	55	11	14	5	6	852	262	27	55	13	5	853	9701	20	55	18	7	850
<b>Migrant</b>																						
Yes	0										0						7	29	57	14	0	852
No	141	23	16	62	44	26	18	30	21	844	465	17	46	19	18	845	14900	16	51	21	12	847
<b>Gender</b>																						
Female	75	7	9	38	51	12	16	18	24	841	240	13	52	16	19	845	7196	14	52	23	12	847
Male	66	16	24	24	36	14	21	12	18	847	225	20	40	22	18	846	7711	18	51	20	12	848
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	1										145	23	43	16	19	848	804	6	38	34	22	841
No	140	23	16	62	44	26	19	29	21	844	320	14	48	20	18	844	14103	16	52	21	11	848
<b>Gifted/talented program</b>																						
Yes	4										20	90	10	0	0	870	592	63	35	1	0	865
No	137	19	14	62	45	26	19	30	22	843	445	13	48	20	19	844	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# SCIENCE AND TECHNOLOGY RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 8

SAU: Portland Public Schools

School: Lincoln Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	4	1	17	2	33	2	33	1	17	845	7	19	26	19	35	840	9	10	40	26	23	842
B. less than one hour	48	9	13	31	46	14	21	13	19	844	48	15	50	19	16	846	46	14	52	22	12	847
C. one to two hours	41	12	21	27	47	8	14	10	18	846	41	19	49	18	15	847	41	19	53	19	9	849
D. more than two hours	6	1	11	2	22	2	22	4	44	834	4	10	25	25	40	836	5	19	47	21	14	848
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	37	10	20	29	57	6	12	6	12	848	35	16	55	19	10	848	29	19	54	19	9	849
B. They match some of what I have learned.	50	12	17	30	43	17	25	10	14	847	47	19	48	19	15	848	49	16	51	22	11	848
C. They match just a little of what I have learned.	9	1	8	3	25	1	8	7	58	828	13	13	36	16	34	839	18	13	51	23	13	846
D. There is no match.	4	0	0	0	0	2	40	3	60	823	5	14	10	24	52	832	5	9	39	29	23	842
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	27	5	14	24	65	4	11	4	11	848	32	17	63	10	11	850	23	28	51	13	8	853
B. good	57	16	21	33	42	16	21	13	17	847	54	19	44	22	15	846	54	15	55	21	9	848
C. fair	15	2	10	4	20	5	25	9	45	832	12	11	20	31	37	836	20	5	45	32	18	842
D. poor	1	0	0	1	50	1	50	0	0	845	2	0	11	33	56	826	3	2	35	34	29	838
<b>How difficult was the science part of this test?</b>																						
A. harder than my regular schoolwork	26	4	11	12	34	8	23	11	31	838	26	13	40	17	30	841	27	15	49	22	14	846
B. about the same as my regular schoolwork	68	18	19	44	47	18	19	13	14	848	64	18	49	20	12	848	59	15	53	22	10	848
C. easier than my regular schoolwork	6	1	13	5	63	0	0	2	25	845	10	15	50	17	17	846	13	21	51	18	10	850
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	50	8	12	36	52	11	16	14	20	845	44	11	47	21	21	844	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	49	15	22	26	39	15	22	11	16	845	53	20	48	17	14	847	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	1	0	0	0	0	0	0	1	100	826	3	33	17	17	33	844	5	12	41	25	22	843
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	20	4	15	12	44	6	22	5	19	844	26	9	47	19	24	842	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	30	9	23	17	43	8	20	6	15	848	26	19	45	21	16	847	24	18	53	20	10	849
C. the course(s) described in B, plus physics	16	7	33	9	43	2	10	3	14	852	25	32	47	11	10	853	22	30	47	14	8	853
D. a life science and physical science class	35	3	6	22	47	10	21	12	26	840	23	7	47	25	21	841	29	8	52	27	14	844
<b>How do you feel about the following statement?</b> <i>"My knowledge of science and technology will be useful to me as an adult."</i>																						
A. strongly agree	38	7	13	27	52	7	13	11	21	845	34	14	56	15	15	847	27	23	51	17	9	851
B. agree	55	15	20	34	45	14	19	12	16	846	53	19	46	20	15	847	54	15	53	21	11	847
C. disagree	7	0	0	1	11	5	56	3	33	832	10	15	30	24	30	840	15	10	50	26	14	845
D. strongly disagree	1	1	100	0	0	0	0	0	0	872	3	8	15	31	46	830	4	7	39	30	24	841
<b>How well does the following statement reflect your future goals?</b> <i>"I am interested in a career related to science, technology, engineering, or mathematics."</i>																						
A. strongly agree	34	7	15	25	54	5	11	9	20	847	28	16	53	15	16	847	25	24	52	15	8	851
B. agree	35	11	23	18	38	9	19	10	21	844	36	21	39	20	20	845	37	15	50	22	12	847
C. disagree	25	5	15	17	50	7	21	5	15	847	28	15	52	19	14	847	26	12	53	23	12	846
D. strongly disagree	6	0	0	1	13	5	63	2	25	834	8	6	40	31	23	839	12	8	48	28	15	844
<b>Optional school/SAU question</b>																						
A.	0										26	11	22	22	44	836						
B.	80	1	25	1	25	0	0	2	50	841	44	13	27	7	53	834						
C.	0										15	0	20	40	40	831						
D.	20	0	0	0	0	1	100	0	0	832	15	0	0	40	60	818						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number